

BOROUGH OF THORNABY-ON-TEES.



ANNUAL REPORT

ON THE

HEALTH AND SANITARY CIRCUMSTANCES

OF THE BOROUGH

For the Year ended 31st December, 1938

ARNOLD BROWN, M.B., Ch.B., D.P.H.,
Medical Officer of Health.

BOROUGH OF THORNABY-ON-TEES.



ANNUAL REPORT

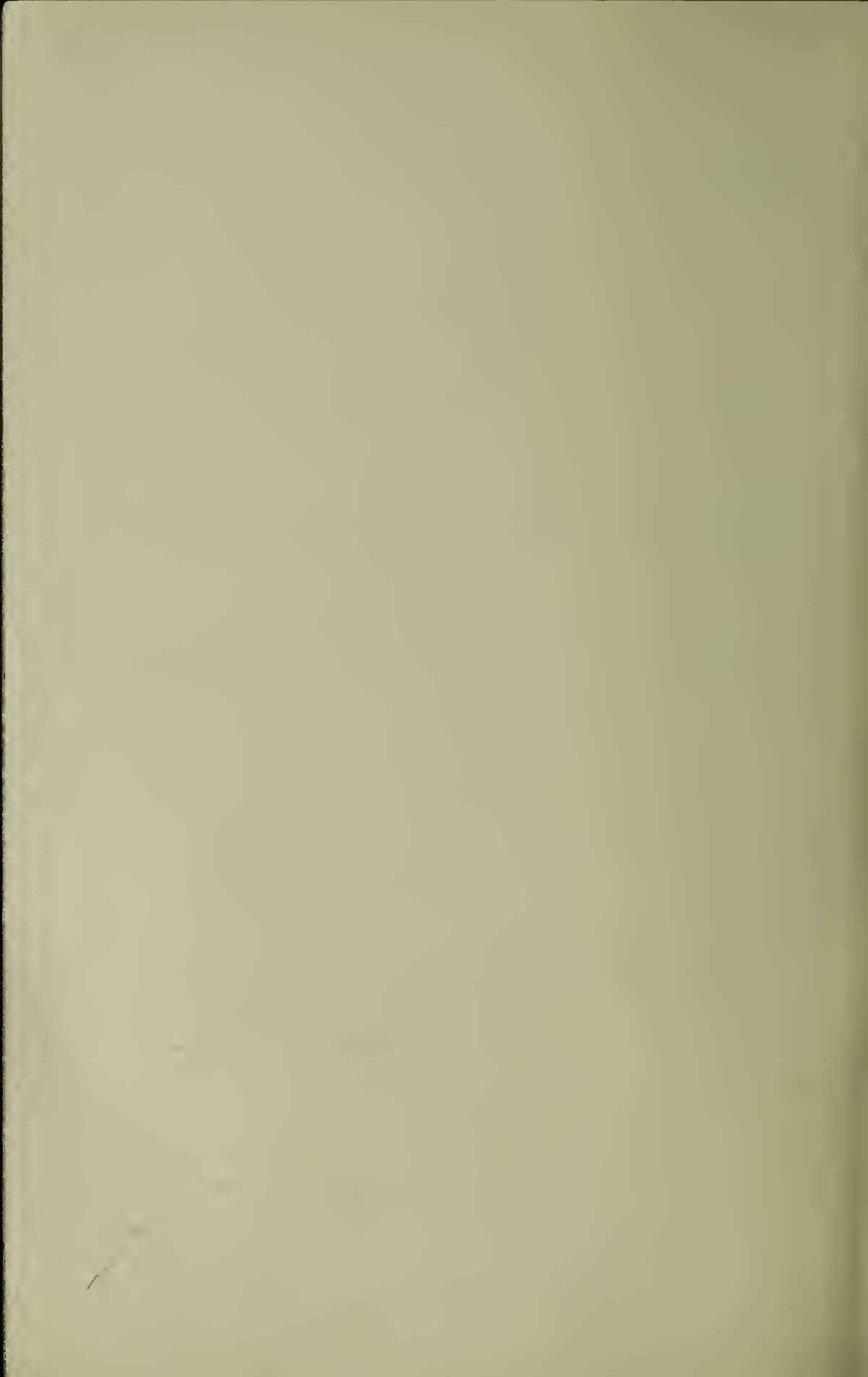
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BOROUGH OF THORNABY-ON-TEES.

Mayor:

Alderman H. Dacre.

Deputy-Mayor:

Alderman J. R. Hough.

Aldermen:

*E. E. Brennan, J.P.

*C. H. Oxberry.

*W. Harris, J.P.

W. Shepherd.

Councillors:

C. Allen.

*J. McCabe.

J. W. Bennett.

J. L. F. McGann.

A. Bosomworth.

A. Nicholson.

J. W. Collinson.

*T. Padgett.

*J. Corfield.

*A. P. Pounder.

*R. Dinsdale.

H. Probst.

*Miss G. Holmes.

*Mrs. E. I. Shepherd.

T. R. Kirby.

L. P. Trevvett.

Mrs. A. E. Langham.

J. S. Worsley, J.P.

Chairmen:

Sanitary Committee - - Coun. L. P. Trevvett.

Maternity & Child Welfare Committee - Ald. C. H. Oxberry.

*Members of the Maternity and Child Welfare Committee.

The Sanitary Committee consists of the whole of the Members of the Council.

Staff:

Town Clerk	-	J. R. Carr.	-
Borough Treasurer	-	H. M. Draycott, F.I.M.T.A., F.S.S.	
Borough Engineer	-	Philip Brown, M.Inst.M. & Cy.E.	
Medical Officer of Health	-	Arnold Brown, M.B., Ch.B., D.P.H.	
Sanitary Inspector	-	C. Knox, Cert. R. San. I., etc.	
Health Visitor	-	Miss M. J. D. Ramsay.	

Health Department,

Thornaby-on-Tees.

**To the Mayor, Aldermen and Councillors of the Borough of
Thornaby-on-Tees.**

Ladies and Gentlemen,

I have the honour to submit my Annual Report on the Health and Sanitary Circumstances, including Vital Statistics, of the Borough of Thornaby-on-Tees, for the year ended 31st December, 1938.

During the year 1938, the work of the Maternity and Child Welfare Department has been maintained in a very satisfactory manner and in particular I would like to draw your attention to the Ante-Natal Clinics which, during the year under review, have been held weekly. The increase in the number of Ante-Natal Clinics has been well justified and represents a definite advancement in the Health Services of the Borough.

You will note that the Infantile Mortality has risen to 65.9 per 1,000 live births as against 39 per 1,000 live births in 1937. The 1937 figure of course was extraordinarily low and it could not be expected to remain at that figure. The maternal death rate is lower than in the previous year.

I am happy to be able to state that, notwithstanding the enormous increase in the amount of work done in the department owing to A.R.P., there has been, so far, no interference with the normal duties of the Staff.

A sum of money was set aside in the estimates for the year 1937-38 to be used in connection with the National Campaign to secure the wider use of the health services. A house to house distribution of the official pamphlets and literature was made in each month during which the Campaign was in progress and a list of the Health Services of the Borough, with the times and days on which Clinics are held, was enclosed in each pamphlet delivered. In addition a film show was held, through the kind help of Messrs. Cow & Gate, Ltd., at the Welfare Hall. Films dealing with Nutrition and Diphtheria Immunisation were shown.

I wish to thank the Chairman of the Sanitary Committee, the Chairman of the Maternity and Child Welfare Committee and the Members of the Council for their unfailing help and co-operation during the year. My best thanks are also due to the Town Clerk, Borough Engineer, and to the Members of the Town.

Hall Staff, for the help and friendly spirit which they have shewn on all occasions.

I desire to place on record my deep appreciation of the work done by the Staff of the Sanitary and Maternity and Child Welfare Departments, particularly the Sanitary Inspector, Mr. Knox, and the Health Visitor, Nurse Ramsay.

Separate reports by the Sanitary Inspector and the Health Visitor will be found at the end of this report.

I beg to remain,

Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

ARNOLD BROWN.

May, 1939.

Statistics and Social Conditions of the Area.

Area (Acres)	...	...	...	1,993
Population (estimated mid-year, 1938)	...	...	...	21,740
Number of inhabited houses (end of 1938)	...	...	...	5,538
Rateable Value	...	...	...	£81,350
Sum represented by 1d. rate	...	...	...	£264

The Town is situated on the southerly bank of the River Tees which forms the northern boundary of the Borough and separates it from the Borough of Stockton-on-Tees. On the easterly side it is contiguous with the County Borough of Middlesbrough, and on the southerly and westerly sides with the Rural District of Stokesley.

The surface of the ground is mostly flat, the sub-soil clay, and the industries carried on in the town are connected with the iron and steel trades and sugar refining. Many of the population work in the neighbouring areas of Middlesbrough, Stockton and Billingham. In common with the other districts on Tees-side, unemployment increased during 1938. As the figures for Thornaby are included in Stockton and district, it is not possible to give the exact details of the present conditions relating to unemployment.

Extracts from Vital Statistics for the Year.

	Total.	Males.	Females.
Live Births—Legitimate	... 423	219	204
Illegitimate	... 17	8	9
Total	... 440	227	213

Birth Rates.

Legitimate	19.5	per 1,000	estimated resident population.
Illegitimate	0.8	"	"
Total	20.3	"	"

	Total.	Males.	Females.
Still Births—Legitimate	... 18	6	12
Illegitimate	... 1	1	—
Total	... 19	7	12

Still Birth Rate.—41 per 1,000 live and still births.

	Total.	Males.	Females.
Deaths	... 248	146	102

Crude Death Rate 11.4 per 1,000 estimated resident population.

Comparability Factor—1.17.

Adjusted Death Rate—13.34.

Deaths from Puerperal Causes—1.

	Deaths.	Rate per 1,000 (live and still births).
Puerperal Sepsis ...	0	—
Other Puerperal Causes ...	1	2.3

	Total.	Males.	Females.
Deaths of Infants under one year of age ...	29	19	10
Legitimate ...	28	18	10
Illegitimate ...	1	1	0

Infantile Mortality—65.9 per 1,000 live births.

Mortality of Legitimate Infants—66 per 1,000 legitimate live births
 „ Illegitimate „ 59 „ 1,000 Illegitimate „

Deaths from Cancer (all ages) ...	...	...	31
„ Measles (all ages) ...	...	...	1
„ Whooping Cough (all ages) ...	...	...	2
„ Diarrhoea (under two years of age) ...	...	...	6

The causes of the greatest mortality during 1938 were:—

Heart Disease ...	...	...	63
Cancer ...	...	...	31
Pneumonia ...	...	...	22

There was no unusual or excessive mortality during the year which requires any comment.

**TABLE SHEWING BIRTHS, DEATHS AND
INFANTILE MORTALITY IN WARDS.**

Ward	Popu- lation (approx)	No. of Live Births	Birth Rate per 1000 pop.	No. of Deaths	Death Rate per 1000 pop.	No. of Deaths of infants under 1 year	Infantile Mortality Rate per 1000 Live Births
Cleveland	3890	91	23.4	47	12.0	7	76.9
Mandale	3940	63	15.9	40	10.1	5	79.3
O. Thornaby	4130	104	25.1	27	6.7	6	57.6
St. Paul's	3240	50	15.4	39	12.0	4	80.0
Victoria	3250	74	22.7	47	14.4	5	67.0
Westbury	3290	58	17.6	48	14.5	2	32.7
Borough of Thornaby-on- Tees	21740	440	20.3	218	11.4	29	65.9

England and Wales, 126 County Boroughs and Great Towns, and 148 Smaller Towns.

	Rate per 1,000 Population		ANNUAL DEATH RATE PER 1,000 POPULATION								Rate per 1,000 live Births	
	Live Births	Still Births	All Causes	Typhoid and Para- typhoid Fever	Small- pox	Measles	Scarlet Fever	Whooping Cough	Diph- theria	Influenza	Total Deaths under 1 year	Diarrhoea and Enteritis 'under 2 years)
England and Wales	15.1	0.60	11.6	0.00	0.00	0.04	0.01	0.03	0.07	0.11	53	5.5
126 County Boroughs and Great Towns, including London	15.0	0.65	11.7	0.00	—	0.05	0.01	0.03	0.07	0.10	57	7.8
148 Smaller Towns (Estimated Resi- dent Populations 25,000 to 50,000 at Census 1931)	15.4	0.60	11.0	0.00	0.00	0.03	0.01	0.02	0.06	0.11	51	3.6
London ...	13.4	0.48	11.4	0.00	—	0.06	0.01	0.03	0.05	0.06	57	13.1
Thornaby-on-Tees	20.3	0.87	11.4	—	—	0.04	—	0.09	—	1.03	66	13.6
The maternal mortality rates for England and Wales are as follows per 1000 Live Births												
" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	Puerperal Sepsis	Others	Totals
" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	0.86	2.11	2.9
" "	" "	" "	" "	" "	" "	" "	" "	" "	" "	not available.	2.3	2.3

The maternal mortality rates for England and Wales are as follows per 1000 Live Births	0.86	2.11	2.97
”	”	”	”
”	”	”	”
”	”	”	”
Thornaby	0.00	2.3	2.3
Total Births	not available.	2.3	2.3

CASE RATES for certain INFECTIOUS DISEASES (& MATERNAL DEATH RATES) in the YEAR 1938.

England and Wales, 126 County Boroughs and Great Towns, and 148 Smaller Towns.

	RATES PER 1,000 POPULATION						RATES PER 1,000 LIVE BIRTHS.		
	Smallpox	Scarlet Fever	Diphtheria	Enteric Fever	Erysipelas	Pneumonia	Puerperal Sepsis	Others	Total
England and Wales	0.00	2.41	1.58	0.03	0.40	1.10	0.89	2.19	3.08
126 County Boroughs and Great Towns including London ...	0.00	2.60	1.85	0.03	0.46	1.28			
148 Smaller Towns (estimated Resident Populations 25,000 to 50,000 at Census, 1931) ...	0.00	2.58	1.53	0.04	0.39	0.98			
London	—	2.05	1.90	0.05	0.46	0.98			
Thornaby-on-Tees	—	2.02	0.73	—	0.55	1.79	—	2.27	2.27

POPULATION.

The Register General gives the figures 21,740 as the estimated population of the Borough at mid-year, 1938, and this figure has been taken in estimating the statistics for the year.

COMPARATIVE TABLE OF VITAL STATISTICS, 1929-1938.

Year	Estimated Population	Birth Rate	Death Rate	Infantile Mortality Rate
1929	21,580	24.1	16.7	111.5
1930	21,580	24.2	14.3	89.9
1931	21,510	23.5	11.3	81.0
1932	21,200	21.7	13.5	78.2
1933	21,320	19.0	12.3	66.6
1934	21,270	20.4	12.1	55.2
1935	21,330	19.1	13.2	66.1
1936	21,630	19.74	12.1	82.0
1937	21,740	20.92	10.9	39.0
1938	21,740	20.3	11.4	65.9

CAUSES OF DEATH DURING THE YEAR, 1938.

Causes of Death.				Males.	Females.
All Causes	...	...	...	146	102
Typhoid and Para-Typhoid Fevers	...		...	—	—
Measles	...	...	...	1	—
Scarlet Fever	...	...	...	—	—
Whooping Cough	...	...	...	—	2
Diphtheria	...	...	...	—	—
Influenza	...	...	...	3	—
Encephalitis Lethargica	...	...	...	—	—
Cerebro-Spinal Fever	...	...	...	1	—
Tuberculosis of Respiratory System	...	...	...	4	3
Other Tuberculous Diseases	...	...	...	—	1
Syphilis	...	...	...	—	1
General Paralysis of the Insane, Tabes					
Dorsalis	...	...	...	1	—
Cancer, malignant disease	...	...	...	12	19
Diabetes	...	...	...	3	4
Cerebral Haemorrhage, etc.	...	...	...	5	4
Heart Disease	...	...	...	35	28
Aneurysm	...	...	...	1	1
Other Circulatory Diseases	...	...	...	7	8
Bronchitis	...	...	...	7	1
Pneumonia (all forms)	...	...	...	16	6
Other Respiratory Diseases	...	...	...	2	1
Peptic Ulcer	...	...	...	1	—
Diarrhoea (under two years)	...	...	...	6	—
Appendicitis	...	...	...	1	1
Cirrhosis of Liver	...	...	...	—	1
Other Diseases of Liver	...	...	...	1	—
Other Digestive Diseases	...	...	...	2	—
Acute and Chronic Nephritis	...	...	...	7	3
Puerperal Sepsis	...	...	...	—	—
Other Puerperal Causes	...	...	...	—	1
Congenital Debility, Premature Birth,					
Malformations, etc.	...	...	...	9	3
Senility	...	...	...	5	3
Suicide	...	...	...	2	—
Other Violence	...	...	...	5	4
Other Defined Diseases	...	...	...	8	7
Causes Ill-defined or Unknown	...		...	1	—

GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH.

1. PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

At the beginning of the Report a list is given showing the Officers connected with the Health Services in the Borough.

2. SERVICES PROVIDED IN THE AREA.

(a) Laboratory Facilities. The arrangement with the College of Medicine, Newcastle-on-Tyne, was continued.

(b) Ambulance Facilities. There is no change in the previous arrangements and these have so far been satisfactory.

(c) Nursing in the Home. This is carried out by the Stockton and Thornaby District Nursing Association and has worked satisfactorily. A contribution is made by the Town Council towards the funds of the Association to provide for nursing of patients suffering from Measles, Whooping Cough, Ophthalmia Neonatorum and Puerperal Pyrexia. Through this arrangement 274 persons were attended during the year.

(d) Clinics and Treatment Centres.

Maternity and Child Welfare Department.

Infant Welfare Clinics—each Tuesday and Thursday, 2-4p.m.

Ante-Natal Clinics—weekly on Friday, 2-4 p.m. (except first Friday in each month).

Post-Natal cases are seen on the first Friday in each month.

Dental Clinics—the last Thursday in each month at 1-30 p.m.

Clinics undertaken by the North Riding County Council.

Minor Ailments Clinic (for school children)—each Monday and Friday at 9-0 a.m. The Medical Officer of Health attends the Clinic on Fridays.

Tuberculosis Clinic—each Tuesday at 10-0 a.m.

Orthopaedic Clinic—fortnightly on Monday, at 10-30 a.m. The Orthopaedic Surgeon attends every four weeks. The intermediate clinics are conducted by a nurse from the Yorkshire Children's Orthopaedic Hospital who carries out remedial exercises.

Visual Defects— a Clinic is arranged when there are eight cases on the waiting list and is held on Thursday mornings.

Diseases of the Ear, Nose and Throat—a Clinic is arranged when there are a sufficient number of cases on the waiting list and is held on Monday mornings.

Dental Defects—periodical Clinics are attended by the Dental Surgeon appointed by the County Council.

The Clinics are all held at the Health Centre, George Street

(e) Hospitals.

The Hospital facilities remain unchanged.

3. MATERNITY AND CHILD WELFARE SERVICES.

Arrangements exist whereby difficult and dangerous maternity cases are admitted to the Maternity Hospital under the control of the Middlesbrough County Borough Council, and the services of Dr. G. F. Longbotham are available as a Consultant when necessary.

The number of difficult and dangerous maternity cases admitted to the Middlesbrough Municipal Maternity Hospital during the year under this scheme was 8.

The number of cases for whom the services of a consultant were provided during the year for private medical practitioners, under the Council's maternity arrangements, was 1.

The Midwives practising in the Borough are not subsidised by the Council and the County Council is the supervising authority.

Arrangements are made whereby children under the age of five attend the Orthopaedic Clinics and the Clinics for visual defects and defects of the Ear, Nose and Throat, held by the North Riding County Council.

As the Local Authority discharges the functions under Part I of the Children Act, 1908, as amended by the Children and Young Persons Act, 1932, and Part VII of the Public Health Act, 1936, the Health Visitor acts as Infant Protection Visitor. Particulars as to the work carried out at the Clinic and in Health Visiting will be found under the Section dealing with Maternity and Child Welfare.

SANITARY CIRCUMSTANCES OF THE AREA.

Water. The supply is obtained from the Tees Valley Water Board. There is adequate piped supply to all households and no complaints were received. Arrangements are now being made whereby samples of water will be taken quarterly for examination. Co-ordination will be established with the Tees Valley Water Board by informing them of the times and places of the taking of the samples in order that the Water Board may take similar samples. Information will be exchanged between the Health Department and the Tees Valley Water Board regarding the results of the analyses.

Drainage and Sewerage. There has been no alteration since the last Report.

Closet Accommodation. With few exceptions the town has a complete water carriage system.

The following table shows the progress of conversions during the past 17 years.

Year.		Privy	Ashpits.		Pan Closets.
1922	...	158	...		8
1923	...	69	...		10
1924	...	300	...		33
1925	...	329	...		12
1926	...	312	...		37
1927	...	6	...		23
1928	...	106	...		134
1929	...	229	...		168
1930	...	115	...		660
1931	...	61	...		228
1932	...	92	...		74
1933	...	—	...		—
1934	...	16	...		10
1935	...	—	...		16
1936	...	—	...		—
1937	...	—	...		—
1938	...	—	...		—
Total	...	1793			1413

There are now in existence:—

Privies, fixed receptacles	...	...	18
Privies, moveable receptacles	...	...	8
Flush Water Closets	...	...	5,614

Public Cleansing.

This work is under the immediate control of the Sanitary Inspector and was carried out as in past years

Sanitary Inspection of the Area.

A summary of the work done in the Sanitary Inspector's Department during the year is given further in this Report.

Camping Sites.

There are no camping sites in the Borough.

Swimming Baths.

The new Municipal Swimming Baths were opened on the 21st March, 1938.

The bathing pool has a water surface area of 100 feet by 35 feet and the depth varies from 3 to 9 feet.

The "Continuous Filtration Method" is in operation, the water being pumped from the deep end of the Bath and passed through a strainer and after the addition of coagulants to precipitate the organic matter contained and ensure efficient filtration it is pumped to the top of the filter units which consist of vertical cylinders containing sand; the water passes through the sand into the col-

lecting pipes at the bottom of the units; it is then heated, aerated and chlorinated and returned to the bath through a number of inlets at the shallow end. For this purpose there are installed—three vertical Air-scoured Pressure Filters, Chemical apparatus for treating the water, a steam-heated Calorifier capable of raising the temperature of the water 3° F. per circulation, an Aerator for the aeration of the water and the release of surplus air and foul gases, a Chlorinator, Pumps and an Air Compressor—all of which ensure that the whole of the bath water will pass through the plant at least once in every four hours at a filtration speed per hour of 206 gallons per sq. foot of sand. When the plant has been in operation for a certain period, the sand in the filters becomes clogged with matter removed from the water, and it is subjected to a cleansing process, which is carried out within the filters. This consists of an intensive agitation of the sand bed by means of compressed air, followed by a reverse flow of water in an upward direction. The scouring action of the air loosens all the accumulated dirt, which is carried away to waste by the reverse flow of water, leaving the sand in its original clean condition.

Chemical and bacteriological examinations have been made on samples of the bath water during the year, with highly satisfactory results.

There are the following First Aid Appliances at the Baths:—

- 1 Resuscitator with three cylinders of carbon dioxide.
- 1 First Aid Box (Salvita).
- 1 Stretcher.

Staff.

Summer.

- Superintendent.
- Chief Male Attendant.
- Second Male Attendant.
- 2 Female Attendants.
- 2 Female Ticket Office Clerks.
- 1 Cloakroom Attendant.
- 1 Handyman.

Winter.

- Superintendent.
- Chief Male Attendant.
- Second Male Attendant.
- 1 Female Attendant.
- 1 Female Ticket Office Clerk.
- Handyman.

Of the Summer Staff, all except one Ticket Office Clerk, one Cloakroom Attendant and the Handyman, are trained in Life Saving.

Schools.

The Sanitary Conditions of the Schools were satisfactory.

INSPECTION AND SUPERVISION OF FOOD.

For information regarding the supervision of foods see the Sanitary Inspector's Report.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

For the work done under this Act and for this information I am indebted to the Inspector of Weights and Measures.

The following samples were obtained during the year, and submitted to the Public Analyst:

Milk	...	...	...	...	19
Separated Milk		...	...	...	1
Tea	...	...	...	...	1
Rice	...	...	...	...	3
Custard Powder		...	...	...	1
Butter	...	...	...	...	3
Salt	...	...	...	...	1
Sausage	...	...	...	...	3
Lemon Barley Crystals			...	...	1
Ground Almonds		...	...	...	1
Dessicated Cokernut		...	...	...	1
Health Salt		...	...	...	1
Lard	...	...	...	...	4

The whole of these samples, with the exception of one sample of milk, were reported by the Public Analyst to be genuine. This sample of milk was very slightly deficient in Milk Fats and the vendor was informed of the result of the analysis.

In addition to these samples, an effort was made to take a sample of milk from a Durham County Milk Dealer who was supplying milk wholesale to a Thornaby Dairyman. This man refused to allow the Inspector to take a sample and he was summoned for refusing to allow the Inspector to take a sample under Section 16 of the Food and Drugs (Adulteration) Act, 1928. At Thornaby Petty Sessions on January 9th, 1939, he was fined 10/6 for this offence.

PREVALENCE OF, AND CONTROL OVER INFECTIOUS DISEASE.

Table of Incidence of Infectious Disease.

Disease	No. of Cases Notified	No. of Cases admitted to Hospital	No. of Deaths
Smallpox	—	—	—
Diphtheria	16	16	—
Scarlet Fever	44	39	—
Puerperal Pyrexia	2	—	—
Pneumonia (Primary and Influenzal)	39	—	22
Erysipelas	12	4	—
Acute Polio-myelitis	1	1	1
Ophthalmia Neonatorum	2	—	—
Pemphigus Neonatorum	3	—	—

ANALYSIS OF TOTAL NOTIFIED CASES IN AGE GROUPS.

Age Group	Smallpox	Diphtheria	Scarlet Fever	Puerperal Pyrexia	Pneumonia	Erysipelas	Acute Polio-Myelitis	Ophthalmia Neonatorum	Pemphigus Neonatorum
Under 1 year	—	—	—	—	—	—	—	2	3
1—2 years	—	1	1	—	5	—	1	—	—
2—3 "	—	1	3	—	2	—	—	—	—
3—4 "	—	—	4	—	2	—	—	—	—
4—5 "	—	3	9	—	1	—	—	—	—
5—10 "	—	5	21	—	2	—	—	—	—
10—15 "	—	3	4	—	2	—	—	—	—
15—20 "	—	1	—	—	4	2	—	—	—
20—35 "	—	2	1	2	4	2	—	—	—
35—45 "	—	—	—	—	5	1	—	—	—
45—65 "	—	—	1	—	9	6	—	—	—
65 & upwards	—	—	—	—	3	1	—	—	—

INFECTIOUS DISEASES IN WARDS.

Disease	Cleveland	Mandale	Old Th'by	St. Paul's	Victoria	West-bury	Total
Smallpox	—	—	—	—	—	—	—
Diphtheria	2	1	7	3	2	1	16
Scarlet Fever	9	4	5	9	8	9	44
Puerperal Pyrexia	—	1	—	—	1	—	2
Pneumonia (Primary and Influenzal)	10	3	7	3	9	7	39
Erysipelas	4	1	—	3	1	3	12
Acute Polio-myelitis	—	—	—	—	1	—	1
Ophthalmia Neonatorum	—	—	—	1	—	1	2
Pemphigus Neonatorum	—	2	—	1	—	—	3

Diphtheria anti-toxin is supplied free to any Medical Practitioner in the Town who applies for it. Swabs from suspected cases are examined at Armstrong College, Newcastle-on-Tyne.

Diphtheria Immunisation.

The Council's Scheme does not provide for the immunisation against diphtheria of children over the age of five years. The immunisation of children under five is carried out at the ordinary Child Welfare Clinics and during the year 1938, 106 children were completely immunised. The total number of children who have been completely immunised up to the end of the year is 198. The method employed is by means of Alum Precipitated Toxoid, administered in two doses of 0.1 c.c. and 0.4 c.c. with a fortnight interval between the two doses. No Schick tests were performed in the year under review.

Two cases of Ophthalmia Neonatorum were notified during the year and attention was given by the District Nurses and Health Visitor. In no case was the sight found to be impaired.

Three cases of Pemphigus Neonatorum were reported to me—treatment was carried out by the District Nurses and Health Visitor and the patients were soon cured. Owing to prompt action by means of disinfection and the provision of a District Nurse, there was no spread of the disease in any case.

As Measles, Whooping Cough and Chicken Pox are not notifiable, it is impossible for me to give any accurate figures as to the numbers of cases of these diseases. The following figures are obtained from the returns of infectious diseases sent in by the Head Teachers of schools:—

Disease	Village Infants' School	Queen Street School	Westbury Street School	Church of England School	St. Patrick's School	Arthur Head School	Robert Atkinson Central School	TOTAL
Measles ...	49	22	68	23	11	—	—	173
Whooping Cough	—	—	1	3	—	—	—	4
Chicken Pox ...	—	7	12	6	—	—	—	25
Mumps ...	—	19	5	13	37	2	—	76
Scarlet Fever	—	2	4	7	8	2	—	23
Diphtheria ...	2	2	1	1	1	1	—	8
Totals ...	51	52	91	53	57	5	—	309

In no case was it necessary to close a school during the year.

TUBERCULOSIS.

The following table shows the new cases and deaths for the Borough of Thornaby-on-Tees during 1938.

Age Periods	NEW CASES				TOTAL DEATHS			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	—	—	—	—	—	—	—	—
1—5 years	—	—	—	1	—	—	—	1
5—10 „	—	1	2	—	—	—	—	—
10—15 „	1	1	3	1	—	—	—	—
15—20 „	2	1	—	1	1	—	—	—
20—25 „	1	—	—	1	—	—	—	—
25—35 „	—	—	—	1	1	1	—	—
35—45 „	5	—	—	—	—	—	—	—
45—55 „	2	1	—	—	1	1	—	—
55—65 „	—	—	—	—	—	—	—	—
65 and upwards	2	—	—	—	1	1	—	—
Totals ...	13	4	5	5	4	3	—	1

		1938	1937	1936	1935	1934
Total New Cases	...	27	24	19	44	24
Total Deaths	...	8	7	20	18	14

Of the 8 deaths, 7 were of notified cases, and 4 of these were notified during 1938.

Classification of Non-Pulmonary cases of Tuberculosis:—

Abdominal	...	...	1
Glands	...	...	7
Meningitis	...	...	1
Osseous	...	...	1

Classification of Deaths from Non-Pulmonary Tuberculosis:—

Meningitis	1
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REPORT OF THE SANITARY INSPECTOR FOR THE YEAR 1938.

SANITARY INSPECTION OF THE AREA.

Description of the Works carried out.

Number of Inspections made	...	...	...	...	353
Number of Re-Inspections made	...	...	...	...	3,566
Number of Informal Notices served	...	...	...	...	353
Number of Statutory Notices served	...	...	...	...	33

RESULT OF SERVICE OF NOTICES.

Drainage.

Single private drains reconstructed or repaired	...	...	...	...	45
Waste pipes of sinks trapped or renewed	...	...	...	...	8
Gullies renewed	...	...	...	...	—
Grate tops renewed	...	...	...	...	15

Water Closets.

Provided with sufficient supply of water	...	...	...	...	1
Cisterns repaired or renewed	...	...	...	...	5
Basins renewed	...	...	...	...	3

Houses.

Roofs repaired	...	...	...	...	...	253
Eaves gutters repaired or renewed	...	...	...	...	...	161
Fall pipes repaired or renewed	...	...	...	...	...	98
Yard Pavements repaired or relaid	...	...	...	...	...	99
Floors repaired or relaid	...	...	...	...	...	209
Defective walls	...	...	...	...	...	627
Defective plasterwork	...	...	...	...	...	682
Defective ceilings	...	...	...	...	...	75
Defective fireplaces	...	...	...	...	...	60
Defective fireranges	...	...	...	...	...	98
Defective ovens	...	...	...	...	...	8
Dilapidated set pots	...	...	...	...	...	6
Dilapidated set pot firebars	...	...	...	...	...	33
Handrails fixed or repaired	...	...	...	...	...	20
Defective sash cords and windows	...	...	...	...	...	281
Defective chimneys	...	...	...	...	...	102
Defective yard doors	...	...	...	...	...	49
Dilapidated coal doors	...	...	...	...	...	36
Dilapidated doors (front and internal)	...	...	...	...	...	96
Dilapidated dustbins	...	...	...	...	...	132
Dilapidated closet doors	...	...	...	...	...	26
Dilapidated closet seats	...	...	...	...	...	14
Defective closet roofs	...	...	...	...	...	91
Defective joint between flush pipe and W.C. basin	...	...	...	...	...	14
New windows provided to food stores	...	...	...	...	...	34
Defective flues	...	...	...	...	...	10

Miscellaneous minor defects	...	...	...	326
Patients removed to hospital	...	...	...	61
Rooms disinfected	...	...	...	79
Accumulations of refuse removed	...	...	...	—
Mattresses destroyed	...	...	...	190
Sets of bedding and beds destroyed	...	...	...	74
Washing accommodation provided	...	...	...	2
New food stores provided	...	...	...	36
Sinks provided or renewed	...	...	...	94
Houses provided with damp course	...	...	...	138
Secondary means of access provided	...	...	...	6
Storage for coals provided	...	...	...	3

Sanitary Conveniences.

Number of privies, fixed receptacles	...	...	18
Number of Privies, moveable receptacles	...	...	8
Number of fresh water-closets	...	...	5,614
Privy middens cleansed	...	...	866
Pan-Closets cleansed	...	...	400
Dry Ashbins cleansed	...	...	298,603
Loads of Rubbish—Trailer Loads 3,747½			
—Pan Cart Loads 918	...	...	4,665½

Offensive Trades.

There are no offensive trades carried on within the Borough.

Common Lodging Houses.

There are no Common Lodging Houses in the Borough.

Slaughterhouses.

Number licensed	...	...	...	5
Number of Inspections	...	...	...	594
Number of Notices to Limewash	...	...	...	Nil.

Dairies and Milkshops.

Number on Register	...	...	...	36
Number of Inspections	...	...	...	76

Milk (Special Designations) Order, 1936.

Number of Dealers' Licences granted for Tuberculin				
Tested Milk	...	...	...	1
Number of Dealers' Licences granted for Accredited Milk				1
Number of Dealers' Licences granted for Pasteurised Milk				1
Number of Supplementary Licences granted for Pasteurised Milk	...	...	...	1

Cowsheds.

Number of Registered Cowkeepers	...	...	7
Number of Cowsheds in the Borough	...	...	9
Number of Inspections	...	...	18
Number of Notices to Limewash	...	...	Nil.

Inspection of Meat and Other Foods.

Below is a list of foodstuffs found to be unsound and unfit for human consumption. All were surrendered and destroyed:—

Beasts (8 carcasses)	...	...	323 stones
Pigs (1 carcase)	...	...	4 stones

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	221	287	66	1,927	1,379
Number inspected	173	237	54	1,133	975
All diseases except Tuberculosis.					
Whole carcasses condemned	—	—	—	—	1
Carcases of which some part or organ was condemned...	4	1	—	—	—
Percentage of the number in- spected, affected with dis- ease other than tuberculosis	2.31	.42	—	—	.10
Tuberculosis only.					
Whole carcasses condemned	2	6	—	—	—
Carcases of which some part or organ was condemned...	1	—	—	—	—
Percentage of the number in- spected affected with tuber- culosis	1.73	2.53	—	—	—

DISEASES OF ANIMALS ACTS.

Tuberculosis Order of 1925.

There has been no case of Tuberculosis during the year.

The Area also remained free from this disease during the year 1937.

Swine Fever.

On three occasions reports were received of the suspected out-break of Swine Fever within the Borough, these were not confirmed.

The Area remained free from this disease during the year 1937.

Foot and Mouth Disease.

The Area has remained free from this disease.

On one occasion the Ministry of Agriculture and Fisheries made a Standstill Order applying to almost the whole of England. Thornaby was included in the Order.

Twenty-six Licences were granted for the movement and slaughter of:—

16 Cattle. 40 Sheep. 48 Pigs. 12 Calves.

Four Licences were issued for movement of stores for:—

2 Cattle. 24 Pigs.

One Occupation Licence was granted.

Three Licences were countersigned for movement out of Thornaby and slaughter of:—

6 Cattle. 5 Sheep. 1 Pig.

Anthrax.

Parasitic Mange.

The Area has remained free from these diseases.

Shops Act, 1934.

Number of Inspections made	...	...	...	11
Number of Re-Inspections made	...	...	...	32
Number of Informal Notices served	...	...	...	—
Number of Statutory Notices served	...	...	...	—
Number of Certificates of Exemption granted—Sanitary Conveniences	...	...	...	2

Eradication of Bed Bugs.

The method adopted to eradicate the bed bug is as follows:—All paper is stripped from the walls, skirtings—door and window moulds removed—followed by the spraying of walls, woodwork and bedsteads with an insecticide (Solution "D" or Zaldecide). The rooms are inspected two days following the spraying and if found satisfactory the woodwork is refixed; in only a few instances has it been found necessary to spray a second time.

The houses of all prospective tenants for Council Houses are inspected and the house and furniture must be certified by the Sanitary Inspector as clear from vermin before removal takes place.

Disinfestation is generally carried out by the Local Authority. In other cases it is carried out by the occupiers on the advice of the Sanitary Department.

Number of Inspections	...	...	...	112
Number of Council Houses infested	...	...	...	12
Number of Council Houses disinfested	...	...	...	12
Number of other Houses infested	...	...	...	16
Number of other Houses disinfested by Sanitary Dept.				5
Number of other Houses disinfested by Occupiers or Owners				11

FACTORY AND WORKSHOPS ACT, 1901 AND FACTORIES ACT, 1937.

There are 30 Factories, without mechanical power, on the Register including:—

Bakehouses	9	Dressmaking ...	1
Tailoring	1	Garage and Repairs ...	2
Masons	1	Joinery ...	2
Boot and Shoe Repairing	4	Motor Body Builder	1
Saddlery	1	Miscellaneous ...	7
Millinery	1		

Inspection of Factories.

Premises	Number of		
	Inspections	Written Notices	Occupiers Prosecuted
Factories with mechanical power	57	1	—
Factories without mechanical power	62	1	—
Other Premises	—	—	—
Total ...	119	2	—

Defects found in Factories.

Particulars	Number of Defects			
	Found	Remedied	Referred to H. M. Inspector	No. of Prosecutions
Want of Cleanliness (S.1.)	1	1	—	—
Overcrowding (S.2) ...	—	—	—	—
Unreasonable temperature (S.3.)	—	—	—	—
Inadequate ventilation (S.4.)	—	—	—	—
Ineffective drainage of floors (S.6.)	—	—	—	—
Sanitary Conveniences (S.7)				
Insufficient	—	—	—	—
Unsuitable or defective ...	1	1	—	—
Not separate for sexes ...	—	—	—	—
Other offences	—	—	—	—
Total ...	2	2	—	—

HOUSING STATISTICS.

1. Inspection of Dwelling Houses during the Year:—

(1) (a) Total number of dwelling-houses inspected for Housing defects (under Public Health or Housing Acts)	353
(b) Number of inspections made for the purpose ...	3,566
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	117
(b) Number of inspections made for the purpose ...	2,963
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	—
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	353

2. Remedy of Defects during the Year without Service of Formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	382
--	-----

3. Action under Statutory Powers during the Year:—

(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs ...	22
(2) Number of dwelling-houses which were rendered fit after service of formal notices:—	
(a) By owners	21
(b) By Local Authority in default of owners	4
(b) Proceedings under Public Health Acts:—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	11
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	
(a) By owners	8
(b) By Local Authority in default of owners	—

- (c) Proceedings under sections 11 and 13 of the Housing Act, 1936:—
- | | | | |
|---|-----|-----|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | ... | ... | — |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | ... | ... | — |
- (d) Proceedings under section 12 of the Housing Act, 1936:—
- | | | | | | |
|---|-----|-----|-----|-----|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made | ... | ... | ... | ... | — |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | ... | ... | ... | ... | — |

4. Housing Act, 1936—Part IV—Overcrowding.

- | | | | | | |
|--|-----|-----|-----|-----|-------|
| (a) (1) Number of dwellings overcrowded at the end of the year | ... | ... | ... | ... | 62 |
| (2) Number of families dwelling therein | ... | ... | ... | ... | 76 |
| (3) Number of persons dwelling therein | ... | ... | ... | ... | 502 |
| (b) Number of new cases of overcrowding reported during the year | ... | ... | ... | ... | 24 |
| (c) (1) Number of cases of overcrowding relieved during the year | ... | ... | ... | ... | 57 |
| (2) Number of persons concerned in such cases | ... | ... | ... | ... | 387 |
| (d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding | ... | ... | ... | ... | — |
| (e) Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report | ... | ... | ... | ... | None. |

C. KNOX, Cert. R. San. I., etc.,

Sanitary Inspector.

MATERNITY AND CHILD WELFARE SERVICES.

For the figures in this section of the report I am indebted to the Health Visitor.

Population of the area served by the Council as Welfare Authority 21,740

Number of births notified in that area during the year under Section 203 of the Public Health Act, 1936, or Section 255 of the Public Health (London) Act, 1936, as adjusted by any transferred notifications:—

(a) Live Births—461 (b) Still Births—12 Total—473
(d) By midwives—393 (e) By doctors and parents—80.

Health Visiting.

- (a) Number of Health Visitors employed at the end of the year:
1. By the Council—One.
 2. By Voluntary Associations—None.
- (b) Number of visits paid during the year by the Health Visitor:
1. To expectant mothers:
First visits ... 53. Total visits ... 215
 2. To children under one year of age:—
First visits ... 417. Total visits ... 1155
 3. To children between the ages of 1 and 5 years:—
Total visits ... 1621.

Infant Welfare Centres.

- (a) Number of Centres provided and maintained by the Council 1
- (b) Number of Centres provided and maintained by Voluntary Associations 0
- (c) Total number of attendances during the year:—
1. By children under 1 year of age 4956
 2. By children between the ages of 1 and 5 years 4526
- (d) Total number of children who first attended at the Centres during the year and who, on the date of their first attendance, were:—
1. Under 1 year of age 322
 2. Between the ages of 1 and 5 years 71
- (e) Total number of children under 5 years of age who attended at the Centres during the year and who, at the end of the year were:—
1. Under 1 year of age 242
 2. Over 1 year of age 342
- (f) Percentage of notified live births represented by the number in (d) 1. 69.8%

Number of medical consultations during the year:—

Children under 1 year	...	...	...	...	1328
Children over 1 year	...	...	...	...	1073
Total					<u>2401</u>

Ante-Natal Clinics.

33 Sessions were held.

Number of expectant mothers who attended for first time	...	...	...	...	282
Total number of women who attended clinic during year	...	...	...	...	336
Number of re-visits	...	...	...	...	442
Total number of attendances at the Clinics during the year	...	...	...	...	724
Percentage of total notified births (live and still) represented by the number of women who attended at the Clinics during the year	...	...	...	...	70.1%

Post-Natal Clinics.

11 Sessions were held.

No. of new cases attending Clinics during year	...	...	...	...	49
Total number of attendances	...	...	...	...	58
Percentage of total notified births (live and still) represented by the number of women who attended at the Clinics during the year	...	...	...	...	10.4%

Dental Clinics. 11 Sessions were held.

	Expectant Mothers	Nursing Mothers	Pre-School Children
1. Numbers seen at routine dental examinations during the year	—	—	—
2. Numbers specially referred to dental clinics by a Medical Officer	35	12	54
3. Numbers who actually attended dental clinic	20	7	42
Numbers found to be in need of treatment	20	7	42
4. Numbers who received treatment...	20	7	42
5. Numbers made dentally fit	—	—	42
6. Number of treatments:			
(a) fillings	—	—	—
(b) number of teeth extracted	65	15	103
(c) Number of administrations of general anaesthesia	—	—	48
(d) Number of patients supplied with dentures	—	—	—
(e) Number of dentures supplied	—	—	—

Ear, Nose and Throat Clinic.

1 Session was held.

Number of new cases attending	...	...	...	2
Number of re-attendances	...	...	...	—
Total	...	...	...	2

Orthopaedic Clinics.

11 Sessions were held.

Number of new cases attending the Clinic during 1938	14
Number of re-attendances	52
Total attendances	66
Number of cases admitted to hospital during the year	3
Number of cases in hospital 1st Jan., 1938	1

Infant Life Protection.

Number of children on the books, 1st Jan., 1938	2
Number of new cases during the year	—
Number of children who attained the age of 9 years during the year	—
Number of children who left the district during the year	—
Number remaining on the books 31st Dec., 1938	2

Free Distribution of Milk.

Total quantity of milk supplied during the year to expectant and nursing mothers and children up to 5 years of age:—

Liquid (gallons)	1767
Dried (pounds)	4118

The supply of milk to the Ante-Natal cases (5) was continued into the lactation period. Milk (both cow's milk and dried milk) was given on medical advice.

WORK CARRIED OUT AT THE MATERNITY AND CHILD WELFARE CENTRE, DURING 1938.

	Sessions and Clinics held		Attendance by Dr. Brown		Ante-Natal Clinics			Post-Natal Clinics			Dental Clinics			Eye Clinic		Ear, Nose & Throat Clinic			Ortho-paedic Clinics			Particulars of General Clinics						Special Weighing Days																
	Total No. of Sessions held	Total No. of Clinics held	Total No. of Clinics attended by Dr. Brown	Total No. of children seen by Dr. Brown	Under 1 year	Over 1 year	Total No. of Sessions attended by Dr. Dow	Total No. of Expectant Mothers who attended	Total No. of Expectant M's. attended 1st time	Total No. of Re-visits	Total No. of Sessions attended by Dr. Brown	Total No. attended	Total No. attended first time	Total No. of Re-visits	Total No. of Sessions attended by Dentist	Total No. treated	Total No. of Mothers treated	Total No. of Children Treated	Total No. of Sessions held	Total No. Treated	Total No. of Sessions attended by Doctor	Total No. Treated	Total No. attended 1st Time	Total No. Re-Visits	Total No. of Sessions attended by Doctor	Total No. attended	Total No. attended first time	Total No. Re-visits	Total No. of Mothers attended	Total No. of new Mothers attended	Total No. of Expectant Mothers attended	Total No. of Children attended	Under 1 year	Over 1 year	Total No. Weighed	Under 1 year	Over 1 year	Total No. of Children Weighed	Born in 1936	Born in 1935	Born in 1934	Born in 1933		
Mondays																																												
Orthopaedic Clinic	11	11	11	66	14	52	
Ear Clinic	1	1	1	2	2	
Tuesdays																																												
General Clinic	44	44	40	1313	845	468	4489	234	97	5302	2797	2505	4086	2765	1321	151	40	80	31	...			
Thursdays																																												
DentalClinic	11	11	11	99	44	55
Eye Clinic	
General Clinic	44	44	41	1137	667	470	3503	151	71	4180	2159	2021	3416	2234	1182	161	27	93	41	...			
Fridays																																												
Post Natal Clinic	11	11	11	11	58	48	10
Ante-Natal Clinic	33	33	33	724	282	442
TOTALS	155	155	92	2450	1512	938	33	724	282	442	11	58	48	10	11	99	44	55	1	2	2	...	11	66	14	52	7992	385	168	9482	4956	4526	7502	4999	2503	312	67	173	72	..		

STATISTICAL RETURNS.

Number of Legitimate Births	...	...	...	423
Number of Illegitimate Births	...	...	...	17
Number of Still Births	...	...	...	19

Birth Rate per 1,000 population—20.3

Number of Deaths of Infants under 1 year:—

Legitimate	...	...	...	28
Illegitimate	...	...	...	1
Total	...	...	...	29

Infantile Mortality Rate per 1,000 Live Births—65.9

Legitimate	...	...	...	66
Illegitimate	...	...	...	59

Maternal Mortality:

(a) From Sepsis	...	...	0
(b) From other causes	...	...	1

Rate per 1,000 Total Births—2.3

The following Table gives the Infantile Mortality Rate for Thornaby and England and Wales, respectively since 1929.

INFANTILE MORTALITY RATES.

Year.	Thornaby	England & Wales.
1929	111.5	74
1930	89.9	60
1931	81.0	66
1932	78.2	65
1933	66.6	64
1934	55.2	59
1935	66.1	57
1936	82.0	59
1937	39.5	58
1938	65.9	53

INFANTILE MORTALITY DURING THE YEAR.

Deaths from stated causes at various ages under 1 year of age.

Cause of Death	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1 month and under 3 m'ths	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
Pneumonia ...	1	—	—	—	1	—	1	1	—	3
Diarrhoea (under 2 years ...	—	—	1	—	1	2	1	1	—	5
Melaena Neonatorum ..	—	1	—	—	1	—	—	—	—	1
Congenital Debility, Premature Birth, etc. ...	5	—	2	—	7	1	1	1	2	12
Accident ...	—	—	—	—	—	2	—	—	—	2
Meningitis (Pneumococcal)	—	—	—	—	—	—	—	—	1	1
Convulsions ...	2	—	—	—	2	—	1	—	1	4
Marasmus ...	—	—	—	—	—	—	1	—	—	1
Totals ...	8	1	3	—	12	5	5	3	4	29

INFANTILE MORTALITY IN THE WARDS

Cause of Death	Cleveland	Mandale	Old Th'by	St. Paul's	Victoria	West-bury	Total
Pneumonia ...	1	—	—	—	2	—	3
Diarrhoea (under 2 years) ...	3	—	—	1	—	1	5
Melaena Neonatorum ...	1	—	—	—	—	—	1
Congenital Debility Premature Birth Etc. ...	—	4	4	1	2	1	12
Accident ...	—	—	—	2	—	—	2
Meningitis (Pneumococcal)	1	—	—	—	—	—	1
Convulsions ...	1	1	1	—	1	—	4
Marasmus ...	—	—	1	—	—	—	1
Totals ...	7	5	6	4	5	2	29

ANNUAL REPORT FOR THE YEAR, 1938.

The general routine of the work has not been altered during the year 1938.

Sewing Department.

This department still continues doing much useful work especially in connection with the Ante-Natal Clinics which are held weekly except on the first Friday of each month when the Post-Natal Clinic is held. Several Members of the Ladies' Voluntary Committee attend the Welfare Centre twice weekly or monthly and give instruction and help to expectant mothers in the preparation of clothes necessary for the coming of the new baby. In addition they attend the General Clinics and give advice with regard to the babies and to the children up to five years of age. Garments are made and provided at a very low cost; a great help to the mothers whose husbands are out of work.

Social Functions.

1. On January 12th and 13th, 1938, the usual Annual Mothers' Party was held. The tea and entertainment were kindly provided by the Ladies' Voluntary Committee and at the close, fruit was distributed to the mothers through the generosity of the Stockton Co-operative Society. The Chairman on both days was Alderman Oxberry, who was supported by Councillor Corfield, Councillor McGann and Dr. Brown, all of whom spoke very encouragingly to the mothers and helpers. Four mothers tied for the "Kenny" Challenge Cup which was handed over on each day to one of the successful mothers by Dr. Dow on the first day and by Dr. Brown on the second day. Ten useful gifts, the gifts of Nurse Ramsay and Dr. Brown, were presented by the Mayoress for the highest attendances. Several visitors attended including the Mayor and Mayoress, Alderman Brennan, Councillors Holmes, Padgett and Shepherd, the Town Clerk and Mrs. Carr, Dr. Brown and others. All present spent a very happy afternoon on each day.

2. On Wednesday, June 22nd, 1938, the President and the Ladies' Committee entertained approximately 300 mothers and their children to sports followed by tea on the Cricket Field. Unfortunately owing to the inclement weather, many of the sports could not be indulged in, and the mothers and children had to go home. On the following Tuesday and Thursday the prizes for the sports were distributed to the mothers in the form of a raffle and

afterwards presented to the lucky ones by Dr. Brown. In addition each child received a box of chocolates. Among the guests were the Mayoress, Councillors Corfield and Holmes and the Rev. C. E. B. Cowburn.

In conclusion, once again I wish to give my most sincere thanks to all the Ladies' Committee for their great help and assistance to me during the year 1938 and past years, also to Alderman Oxberry for his kindness in presiding over our Annual Meetings and our functions. It has been a very happy year for us all, due to their close co-operation and loyalty and it has been a great pleasure to Dr. Brown and I to know that the mothers have appreciated the help and advice given at the Welfare Centre.

MARY J. D. RAMSAY,

Health Visitor.

